

Cognition - TICSm

Overview

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TICSm (Telephone Interview for Cognitive Status - modified) is used for the first time in the ILIAD wave of WLS. TICSm is a validated measure to assess risk of dementia via a telephone interview.

For purposes of selection into the longer more intensive interview we make two adjustments to participant's summary score (oli915re).

First we adjust for their educational history. We subtract two points from their total score if they have any education beyond high school; we add two points if they completed 8-11 years of formal schooling; we add five points if they have fewer than 8 years of formal schooling.

Second we subtract one point from the total score if they have earlier evidence of cognitive decline (oli913re=1). We created this decline measure from 4 components: Immediate and Delayed Recall, Letter Fluency and Digit Ordering. The adjustment (oli913re) was set to 1 for the 10 percent of the sample that showed the largest decline between 2004 and 2011.

Any participant whose adjusted score is below 29 was invited to participate in our longer interview.

Researchers should use the provided summary score without adjustments (oli915re) in their models.

oli900re: Score for Orientation to Name

Data source: Sibling Respondent Collected in: 2020 Mode: In person & telephone
Source variables: scoreB1

| Frequencies | | | | |
|-------------|---------------------|------|--------|-------|
| Value | Label | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| 1 | | 0 | 1 | 1 |
| 2 | | 699 | 859 | 1558 |

oli901re: Score for Phone

Data source: Sibling Respondent Collected in: 2020 Mode: In person & telephone
Source variables: scoreB6

| Frequencies | | | | |
|--------------------|---------------------|-------------|---------------|--------------|
| Value | Label | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| 0 | | 65 | 68 | 133 |
| 1 | | 634 | 792 | 1426 |

o1i902re: Score for Age

Data source: Sibling Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: scoreB2

| Frequencies | | | | |
|--------------------|---------------------|-------------|---------------|--------------|
| Value | Label | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| 0 | | 22 | 36 | 58 |
| 1 | | 677 | 824 | 1501 |

o1i903re: Score for Immediate Recall

Data source: Sibling Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: scoreB8

| Frequencies | | | | |
|--------------------|---------------------|-------------|---------------|--------------|
| Value | Label | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| 0 | | 21 | 11 | 32 |
| 1 | | 29 | 35 | 64 |
| 2 | | 104 | 96 | 200 |
| 3 | | 176 | 159 | 335 |
| 4 | | 158 | 205 | 363 |
| 5 | | 123 | 171 | 294 |
| 6 | | 52 | 105 | 157 |
| 7 | | 21 | 41 | 62 |
| 8 | | 13 | 21 | 34 |
| 9 | | 2 | 12 | 14 |
| 10 | | 0 | 4 | 4 |

o1i904re: Score for Orientation to Time

Data source: Sibling Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: scoreB3 scoreB4 scoreB5

| Frequencies | | | | |
|--------------------|---------------------|-------------|---------------|--------------|
| Value | Label | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| 0 | | 1 | 3 | 4 |
| 1 | | 3 | 2 | 5 |
| 2 | | 7 | 16 | 23 |
| 3 | | 52 | 41 | 93 |
| 4 | | 190 | 226 | 416 |
| 5 | | 446 | 572 | 1018 |

o1i905re: Score for Backwards Count

Data source: Sibling Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: scoreB7

| Frequencies | | | | |
|--------------------|---------------------|-------------|---------------|--------------|
| Value | Label | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| 0 | | 20 | 18 | 38 |
| 1 | | 38 | 50 | 88 |
| 2 | | 641 | 792 | 1433 |

o1i906re: Score for Naming

Data source: Sibling Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: scoreB10 scoreB11 scoreB12 scoreB13

| Frequencies | | | | |
|--------------------|---------------------|-------------|---------------|--------------|
| Value | Label | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| 0 | | 0 | 1 | 1 |
| 1 | | 3 | 1 | 4 |
| 2 | | 12 | 10 | 22 |
| 3 | | 56 | 57 | 113 |
| 4 | | 628 | 791 | 1419 |

o1i907re: Score for Serial 7 Subtractions

Data source: Sibling Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: scoreB9

| Frequencies | | | | |
|--------------------|---------------------|-------------|---------------|--------------|
| Value | Label | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| 0 | | 12 | 32 | 44 |
| 1 | | 58 | 99 | 157 |
| 2 | | 36 | 73 | 109 |
| 3 | | 81 | 118 | 199 |
| 4 | | 149 | 205 | 354 |
| 5 | | 363 | 333 | 696 |

o1i908re: Score for Repetition

Data source: Sibling Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: scoreB14 scoreB15

| Frequencies | | | | |
|--------------------|---------------------|-------------|---------------|--------------|
| Value | Label | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| 0 | | 52 | 46 | 98 |
| 1 | | 197 | 212 | 409 |
| 2 | | 450 | 602 | 1052 |

o1i909re: Score for Recent Memory

Data source: Sibling Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: scoreB6 scoreB17

| Frequencies | | | | |
|--------------------|---------------------|-------------|---------------|--------------|
| Value | Label | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| 0 | | 16 | 19 | 35 |
| 1 | | 28 | 43 | 71 |
| 2 | | 107 | 162 | 269 |
| 3 | | 197 | 246 | 443 |
| 4 | | 351 | 390 | 741 |

o1i910re: Score for Praxis

Data source: Sibling Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: scoreB18

| Frequencies | | | | |
|--------------------|---------------------|-------------|---------------|--------------|
| Value | Label | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| 0 | | 38 | 59 | 97 |
| 1 | | 113 | 166 | 279 |
| 2 | | 548 | 635 | 1183 |

o1i911re: Score for Opposites

Data source: Sibling Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: scoreB19 scoreB20

| Frequencies | | | | |
|--------------------|---------------------|-------------|---------------|--------------|
| Value | Label | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| 0 | | 24 | 11 | 35 |
| 1 | | 107 | 111 | 218 |
| 2 | | 568 | 738 | 1306 |

o1i912re: Score for Delayed Recall

Data source: Sibling Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: scoreB21

| Frequencies | | | | |
|--------------------|---------------------|-------------|---------------|--------------|
| Value | Label | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| 0 | | 104 | 88 | 192 |
| 1 | | 138 | 127 | 265 |
| 2 | | 176 | 194 | 370 |
| 3 | | 124 | 182 | 306 |
| 4 | | 102 | 139 | 241 |
| 5 | | 34 | 61 | 95 |
| 6 | | 14 | 35 | 49 |
| 7 | | 5 | 17 | 22 |
| 8 | | 2 | 12 | 14 |
| 9 | | 0 | 4 | 4 |
| 10 | | 0 | 1 | 1 |

o1i913re: Adjustment for prior evidence of cognitive decline

Data source: Sibling Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: p_Cogn_Decline

| Frequencies | | | | |
|--------------------|---------------------|-------------|---------------|--------------|
| Value | Label | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| 0 | No adjustment | 663 | 791 | 1454 |
| 1 | Subtract one point | 36 | 69 | 105 |

o1i914re: Adjustment based on education level

Data source: Sibling Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: p_TICS_offset

| Frequencies | | | | |
|--------------------|---------------------|-------------|---------------|--------------|
| Value | Label | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| 0 | No adjustment | 266 | 466 | 732 |
| 1 | Subtract two points | 423 | 379 | 802 |
| 2 | Add two points | 9 | 15 | 24 |
| 5 | Add five points | 1 | 0 | 1 |

o1i915re: TICSm Summary Score

Data source: Sibling Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: o1i900re-o1i912re

| Frequencies | | | | |
|--------------------|---------------------|-------------|---------------|--------------|
| Value | Label | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| 2 - 29 | | 183 | 184 | 367 |
| 30 - 32 | | 138 | 173 | 311 |
| 33 - 35 | | 170 | 215 | 385 |
| 36 - 39 | | 163 | 201 | 364 |
| 40 - 50 | | 45 | 87 | 132 |

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